

Material Safety Data Sheet

(Approved by U.S. Department of Labor as "essentially similar" to Form LSB-OOS-4)

SECTION I IDENTIFICATION OF PRODUCT	
MANUFACTURER'S NAME	STOCKHAUSEN, INC.
ADDRESS	2408 Doyle St. Greensboro, N.C. 27406
TRADE NAME AND SYNONYMS	CUPRAN
CHEMICAL NAME AND SYNONYMS	ANIONIC SURFACTANT AND SOLVENT BLEND
CHEMICAL FAMILY	SURFACTANT
	MOLECULAR FORMULA n/a

SECTION II HAZARDOUS COMPONENTS OF MIXTURES		
COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)
NONE		

SECTION III PHYSICAL DATA	
APPEARANCE AND ODOR	BROWNISH-YELLOW LIQUID; CHARACTERISTIC ESTER ODOR
BOILING POINT (DEGREES FAHRENHEIT)	n/e
VAPOR PRESSURE (MM. OF MERCURY)	n/e
VAPOR DENSITY (AIR = 1)	n/e
SOLUBILITY IN WATER	MISCIBLE
SPECIFIC GRAVITY (WATER = 1)	0.950 @ 20°C
PERCENT VOLATILE (BY VOLUME)	n/e
EVAPORATION RATE (BUTYL ACETATE = 1)	n/e
EVAPORATION RATE (ETHYL ETHER = 1)	n/e

SECTION IV FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT (SPECIFY METHOD) (DEGREES FAHRENHEIT)	78.8°F (ABEL PENSKE)
FIRE-EXTINGUISHING MEDIA	WATER
SPECIAL FIRE-FIGHTING PROCEDURES	NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE
FLAMMABLE LIMITS (PERCENT BY VOLUME)	LOWER UPPER n/e

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SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	ORAL DL ₅₀ : 10.7 ml/kg MALE MOUSE
EFFECTS OF OVEREXPOSURE	
CONTACT WITH EYES MAY CAUSE IRRITATION.	
EMERGENCY AND FIRST AID PROCEDURES	
EYE CONTACT: RINSE THOROUGHLY WITH EXCESS WATER. IF IRRITATION OCCURS SEEK MEDICAL ATTENTION.	
INGESTION: LIQUID PARAFFIN MAY BE GIVEN; SEEK MEDICAL ATTENTION.	
INHALATION: REMOVE TO FRESH AIR.	

SECTION VI REACTIVITY DATA		
STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	
	X	NONE
INCOMPATIBILITY (Materials to avoid)		
NONE		
HAZARDOUS DECOMPOSITION PRODUCTS		
NONE		
HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	
	X	NONE

SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
SMALL SPILLS MAY BE RINSED TO DRAIN FOR EFFLUENT TREATMENT. BOD ₅ = 1390 mg O ₂ /g COD = 2059 mg O ₂ /g	
WASTE DISPOSAL METHOD	
RINSE RESIDUAL TO DRAIN FOR EFFLUENT TREATMENT. EMPTY CONTAINERS MAY BE DISPOSED OF BY BURNING OR OTHER APPROVED METHOD AFTER RINSING.	

SECTION VIII SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type)		
NONE NORMALLY REQUIRED		
VENTILATION	LOCAL EXHAUST	SPECIAL
	n/a MECHANICAL (General) n/a	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
NONE		SAFETY GLASSES OR GOGGLES SUGGESTED
OTHER PROTECTIVE EQUIPMENT		
NONE		

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
BELOW 32 F, CUPRAN MY PARTIALLY CRYSTALLIZE. THIS IS OVERCOME BY GENTLY WARMING TO ROOM TEMPERATURE.	
OTHER PRECAUTIONS	
CUPRAN IS CLASSIFIED AS A FLAMMABLE LIQUID AND REQUIRES A RED LABEL IN SHIPPING AND SHOULD BE STORED AS SUCH.	

n/a: NOT APPLICABLE
n/e: NOT ESTABLISHED

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